Q.P. Code :11989

[Time: 3 Hours]				[Marks:80]	
		N.B:		Please check whether you have got the right question paper. Questions number 1 is compulsory. Solve any three questions from the remaining five questions Draw neat sketches wherever required.	
Q.1	B C	Compare plasma, LED and LCD displays? In TV why AM is preferred over FM for picture modulation? What are the advantages of using digital technologies for television system? Explain compatibility considerations in TV system?			
Q.2		Explain interlaced scanning with a neat diagram and also explain how it is better than sequential scanning? Explain working of image orthicon camera tube with a neat sketch. Also state its draw backs?			
Q.3		Explain in detail Direct to Home TV (DTH)? Explain the need of chroma sub sampling .Explain various types.			
Q.4	A Discuss the following terms W.R.T. color transmission?i) Luminance, chrominance and saturation.ii) Additive and subtractive mixing.				10
	В	•		g terms in relation to digital TV. ewing distance and angle iii) Digitization.	10
Q.5	Α		3-Y) (color difference signal along with luminance signal is chosen for color transmission	and 10
	В	Compare NTSC,	PAL	and SECAM TV standards?	10
Q.6	2	Write short note High definitions Chromaticity dia MUSE system Color killer circu	telev Igran	vision (HDTV)	20

1